

REMARKS

By this amendment, the Applicant proposes to amend certain pending claims as indicated above to overcome the final rejection and place the application in condition for allowance. The entry of this Amendment under Section 116 and the Examiner's allowance of all pending claims is earnestly solicited.

The Examiner has rejected claim 1 under Section 103(a) as unpatentable over Jaisimha ("Data Compression Techniques for Maps" IEEE Proceedings, 1989 SoutheastCon, pages 878-883), Aratow (6,199,008) and Mairs (6,304,928).

The Applicant proposes to amend claim 1 as indicated above. In particular, the Applicant has added, "(g) storing a map of the geographical region on board the vehicle; (h) overlaying the graphical image data over the map; and (i) providing additional maps of regions associated with the vehicle's path to the vehicle from an off-vehicle location as the vehicle travels along the path, allowing the graphical image data to be overlaid with an associated map as the vehicle travels along the path."

Support for these changes can be found in the specification primarily in paragraphs [0009] and [0019].

The newly cited Aratow patent discloses a weather database and "as new weather data . . . [is] received, the computer system displays the aircraft and local traffic at the appropriate positions with the appropriate new surrounding weather conditions." Further, Aratow discloses that the weather information can also be overlaid on the display window.

As amended, the Applicant's claim 1 refers to storing a map and providing additional maps of regions associated with the vehicle's path as the vehicle travels over the path. None of the cited art discloses the invention as set forth in amended claim 1 and thus the claim is believed to be allowable over the art.

The remaining claims within the first claim set, i.e. claims 2-4 and 8-12 have been rejected over various combinations of the cited art to Aratow, Matsushiro (6,301,300), Imade (5,872,864), Tateyama (5,517,077), Cullen (5,781,665), Kelly (6,448,922) and Ozaki (5,345,316), as concisely set forth in the Office Action. The Applicant has revised certain of these dependent claims solely to comport with the amendments to claim 1 from which they depend. Given the amendments to

claim 1 and recognizing that each of the retained dependent claims recites other patentably distinguishable features of the present invention, it is suggested that the dependent claims 2-4 and 8-12 are in condition for allowance.

Independent claim 13 stands rejected under Section 103(a) as unpatentable over Jaisimha, Aratow, Mairs, Matsushiro, Cullen, Imade, Kelly and newly cited Katayama (6,836,564).

Claim 13 has been amended as set forth above. In particular, the claim now includes a reference to registering the graphical weather image with a same-sized map of the geographical area. Support for this amendment can be found in paragraph [0024] of the specification. None of the cited references discloses or suggests the elements of claim 13 as amended, the claim is believed to be patentable over the art.

As to rejected dependent claims 15 and 16 depending from claim 13 and rejected under different combinations of Jaisimha, Aratow, Mairs, Matsushiro, Cullen, Imade, Kelly, Katayama and Ozaki, it is suggested that claims 15 and 16 each includes one or more elements that further distinguish over the art of record and therefore these claims should be in condition for allowance.

Independent claim 17 stands rejected under Section 103(a) as unpatentable over Jaisimha, Aratow, Mairs, Matsushiro, Cullen, Imade, Kelly and Katayama.

Claim 17 has been amended as set forth above to overcome the cited rejections. In particular, paragraphs "(g) inputting the display parameters for the first, the second and the third number of pixels to the display for forming the visual image thereon; (h) storing a map of the geographical area; (i) overlaying the map of the geographical area over the visual image; and (j) providing additional maps of areas within a vehicle's path for overlaying the visual image as the vehicle travels along the path," have been added.

None of the cited art discloses this feature in conjunction with the other elements of amended claim 17.

Independent claim 18 stands rejected under Jaisimha, Aratow, Mairs, Matsushiro, Cullen, Imade, Kelly, Katayama and Wendt.

Claim 18 has been amended as set forth above. The remarks set forth with regard to the rejection of claim 1 and the limitations added thereto according to this amendment apply with equal force to claim 18 and its amendments.

Dependent claims 19 and 20 have been rejected under Section 103(a) over one or more of Jaisimha, Aratow, Mairs, Matsushiro, Cullen, Imade, Kelly, Katayame, Wendt and Marcy. Each of these claims is believed distinguishable over the art of record as each claim depends from amended claim 18 and includes elements that further distinguish the cited art. Claim 20 has been amended for consistency with the amendments to its independent claim 18.

Since the proposed amendments overcome the current claim rejections, entry of the amendments and issuance of a Notice of Allowance for all pending claims is respectfully requested.

If a telephone conference will assist in clarifying or expediting this Amendment or the claim changes made herein, the Examiner is invited to contact the undersigned at the telephone number below.

Respectfully submitted,

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